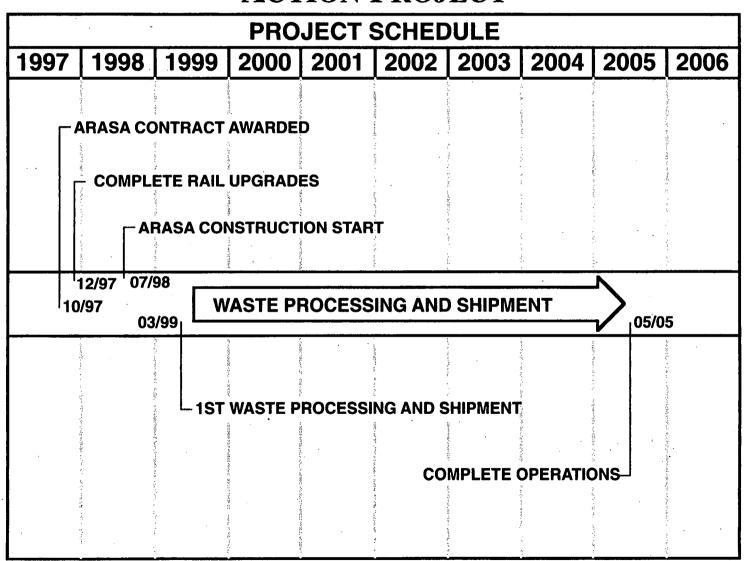
Tour of the

Fernald Environmental Management Project

Oct. 14, 1997







Major Work Activities -- September 1997

On-Site Improvements

Continued onsite rail infrastructure installation (Enclave, North Railyard, Loadout Area)

Initiated Paddy's Run Trestle repairs

Completed Site Improvements Project (various preparation activities in the future waste pit processing area)

Awarded Locomotive Maintenance Building installation contract

Off-Site Actions

Continued Okeana Trestle Upgrades

Awarded Camp Run and Wynn Road off-site trestle upgrades



Major Work Activities -- September 1997 (continued)

Planning and Contracts

Prelude to Alternative Remedial Action Subcontracting Approach (ARASA) Subcontract Award

Preparation for Railcar Procurement

Continued preparation of Permitted Commercial Disposal Facility (PCDF) Waste Disposal Plan

Negotiation of Shandon Yard Improvements Project

1043

No Enforceable Milestones Due in September



90-Day Look Ahead -- Work Activities

- Award ARASA subcontract -- 10/97
- Begin implementing ARASA pre-mobilization deliverables -- 11/97
- Complete Okeana and Paddy's Run trestle construction activities -- 10/97
- Award contract for procurement of railcars --11/97
- Complete onsite rail infrastructure construction -- 11/97



90-Day Look Ahead -- Work Activities (continued)

- Initiate construction of rail maintenance building -- 11/97
- Complete Camp Run and Wynn Road trestle construction activities -- 12/97
- Transmit Submittal Register for ARASA subcontractor Remedial Design/Remedial Action (RD/RA) deliverables to Agencies (due 60 days after subcontract award) -- potentially as early as 12/97

No Enforceable Milestones Due in Next 90 Days

VOU2 - ON-SITE DISPOSAL FACILITY

Major Work Activities -- September 1997

- On-Site Disposal Facility (OSDF)
 - Continued Cell 1 clay liner installation Completed installation of horizontal groundwater monitoring well
- Leachate Conveyance System

 Continued installation of leachate lines and manholes

■ Roads

Installed gravel base/geotextile for North Entrance Road and portions of Haul Road Continued North Entrance Road paving

1043

No Enforceable Milestones Due in September



OU2 - ON-SITE DISPOSAL FACILITY

90-Day Look Ahead -- Work Activities

OSDF

Install synthetic liners -- 10/97
Initiate installation of leak detection system -- 10/97
Install leachate collection system -- 11/97
Initiate installation of protective cover -- 11/97
Complete protective cover; close OSDF for winter -- 12/97



OU2 - ON-SITE DISPOSAL FACILITY

90-Day Look Ahead -- Work Activities

(continued)

Leachate Conveyance System

Perform systems operability testing -- 10/97
Perform final testing and Standard Startup Review -- 11/97
Initiate leachate treatment upon placement of impacted material -- 11/97

Roads

Finish relocated North Entrance Road; open to traffic -- 10/97 Complete Haul Road paving -- 11/97



OU2 - ON-SITE DISPOSAL FACILITY

90-Day Look Ahead -- Milestones

 Place seasonal cover on OSDF by 12/31/97 as required by the OSDF Remedial Action Work Plan



Major Work Activities - September 1997

SAFE SHUTDOWN

- Completed holdup material removal from selected areas in: Plant 2/3, Plant 8 and Building 69
- Completed energy isolation procedures in Buildings 69 and 32 -



Major Work Activities - September 1997

SAFE SHUTDOWN (continued)

- Removed MAWS equipment from Plant 9 for potential reuse
- Finished initial scope of work to move trash baler from Plant 8 to Building 68

No Enforceable Milestones Due in September



90-Day Look Ahead -- Work Activities

SAFE SHUTDOWN

- Continue holdup material removal in Plant 2/3, Plant 6 and Plant 8
- Continue energy isolation procedures in Plants 2/3, 6 and 8, Buildings 64, 65, 78 and 81, and Process Trailers
- Remove salvageable equipment from Building 78



90-Day Look Ahead -- Work Activities

SAFE SHUTDOWN (continued)

- Commence asbestos removal in Plant 2/3
- Excavate underground utility lines for Plants 6 and 8, Buildings 64 and 65, and the Boiler Plant

No Enforceable Milestones Due in Next 90 Days



Major Work Activities - September 1997

DECONTAMINATION & DISMANTLEMENT (D&D)

■ Plant 1 --

Completed packaging of waste materials for shipment to the Nevada Test Site (NTS)

Ongoing Boiler Plant/Water Plant activities --

Continued asbestos abatement/removal activities

Sheared two trailers and Building 10E

Removed all transite and friable asbestos from the Water Plant



Enforceable Milestones -- September 1997

DECONTAMINATION & DISMANTLEMENT

 Issued Notice to Proceed to Thorium/Plant 9 D&D subcontractor on 9/9/97 (actual milestone date 11/15/97)



90-Day Look Ahead -- Work Activities

DECONTAMINATION & DISMANTLEMENT

Ongoing Boiler Plant/Water Plant activities -Asbestos abatement and equipment removal from boilers
Demolition of electrostatic precipitators, fly ash silo, pipe
bridge, water plant, and railroad scale house

Thorium/Plant 9 Complex ---

Prepare subcontractor work plans

Mobilize subcontractor (trailer installation, utility distribution) Perform D&D of Magnesium Storage Building (Bldg. 32A)

1043



90-Day Look Ahead -- Work Activities

DECONTAMINATION & DISMANTLEMENT

■ Maintenance/Tank Farm Complex --Continue development of Implementation Plan

No Enforceable Milestones Due in Next 90 Days



Major Work Activities - September 1997

- Issued Commerce Business Daily announcement for Silos 1 and 2 Multi-Tech Proof-of-Principle testing
- Resolved DOE-HQ comments on Silo 3 Draft Request for Proposal
- Initiated design for Silos 1, 2, and 3 core sampling in support of silo integrity testing
- Completed core sampling of Silo 4; performed initial compressive strength tests on wall cores



Enforceable Milestones - September 1997

- Submitted Silo 3 Explanation of Significant Differences (ESD) to Agencies 9/12/97; conditional approval received from OEPA
- Submitted following deliverables to Agencies under the auspices of the OU4 Dispute Settlement Agreement:

Structural Steel Debris Recycling Project Work Plan -- 9/12/97 Railroad Track Recycling Project Work Plan -- 9/12/97



90-Day Look Ahead -- Work Activities

- Begin preparing Request for Proposal for Silos 1 and 2 Multi-Tech
 Proof-of-Principle Testing -- 10/97
- Respond to Agency comments on Silo 3 Draft ESD and initiate preparation of draft final version -- 10/97
- Release Silo 3 Draft Request for Proposal to Agencies, stakeholders and potential subcontractors -- 10/97 (contingent upon receipt of DOE-HQ concurrence)



90-Day Look Ahead -- Work Activities

- Submit Draft Final Silo 3 ESD -- 11/97
- Conduct mock-up testing of Silo 3 Small-Scale Waste Retrieval System at Silo 4 -- 11/97
- Complete installation of Silo 3 Small-Scale Waste Retrieval equipment at Silo 3 -- 12/97
- Receive report on results of testing Silo 4 core samples -- 12/97



90-Day Look Ahead -- Milestones

Submit following deliverables to Agencies under the auspices of the OU4 Dispute Settlement Agreement:

Work Plan for Establishment of Conservation Area --11/15/97
Work Plan for Research Grants for Ecological
Restoration -- 11/15/97
Work Plan for Creation of Wild Bird/Wild Flower
Habitat Area -- 12/31/97



Major Work Activities - September 1997

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Habitat Area -- 12/31/97



OU5 - SOILS CHARACTERIZATION & EXCAVATION PROJECT

Major Work Activities -- September 1997

- Discovered Paddy's Run embankment erosion west of K-65 Silos -- notified Agencies and initiated protective/mitigative actions
- Received Area 2 Phase I (Southern Waste Units) contractor's Safe Work Plan submittal and initiated Site Preparation Package work with installation of perimeter fencing
- Conducted design-based sampling activities in Area 1 Phase II
 (Southern Half of East Field) and Area 2 Phase I

043



OU5 - SOILS CHARACTERIZATION & EXCAVATION PROJECT

90-Day Look Ahead -- Major Work Activities

- Remove downed trees from Paddy's Run channel; continue evaluating long-term measures to address erosion and instability concerns
- Implement field work in Area 2 Phase I Site Preparation Package
- Continue field sampling activities to generate data needed for remediation
- Continue development of Integrated Remedial Design Packages (IRDP) for Area 2 Phase I, Area 1 Phase 2, and Area 3 (portion of Former Production Area North of 2nd Street)



OU5 - SOILS CHARACTERIZATION & EXCAVATION PROJECT

90-Day Look Ahead -- Enforceable Milestones

- Submit Prefinal Area 2 Phase I Integrated Remedial Design Packages (IRDP) to Agencies -- 10/20/97
- Submit Prefinal Area 1 Phase 2 IRDP to Agencies -- 11/21/97



Major Work Activities -- September 1997

- Began contractor mobilization for combined South Field Extraction System, Injection Demonstration and South Plume Optimization Projects
- Continued construction on Advanced Wastewater Treatment (AWWT) facility expansion
- Continued construction on AWWT Ion Exchange Regeneration System -- construction is nearly complete, with March 1998 scheduled start date



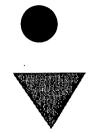
Major Work Activities -- September 1997 (continued)

- Awarded contract to Orbit Movers and Erectors for relocation of Sewage Treatment Plant
- Submitted responses to comments and Draft Final Operations and Maintenance Master Plan to Agencies -- 9/19/97



Enforceable Milestones -- September 1997

- Submitted Draft Re-Injection Demonstration Test Plan to Agencies on 8/29/97, meeting 9/1/97 milestone date
- Submitted Design, Monitoring and Evaluation Program Plan (Semi Annual Report) to Agencies on 9/23/97, meeting 10/1/97 milestone date
- Submitted National Pollutant Discharge Elimination System (NPDES) Permit Renewal Application to OEPA on 9/22/97, meeting 10/2/97 milestone date



90-Day Look Ahead -- Major Work Activities

- Issue construction contracts for nine observation/monitoring wells for Re-Injection Demonstration Project, and two extraction wells for South Plume Optimization Project -- 10/97
- Begin construction on combined South Field Extraction System, Injection Demonstration, and South Plume Optimization Projects -- 10/97
- Mobilize contractor for Sewage Treatment Plant relocation 10/97
- Complete AWWT Ion Exchange Regeneration Project -- 11/97





Major Work Activities - September 1997

Low-Level Waste Projects

Shipped 147,400 cubic feet (cf) of low-level waste to NTS; total of 612,035 cf shipped in Fiscal Year (FY) 97, exceeding FY97 shipping goal of 612,000 cf



Major Work Activities - September 1997

Mixed Waste Projects

- Organic Extraction Project (RCI/Terra-Kleen) Began demonstration phase; completed solvent washing of soils and sludges
- Thorium Legacy Waste Stabilization Project -- Began waste characterization process



Major Work Activities - September 1997

Nuclear Materials Disposition Project

■ Inventory, as of September 1, 1997:

Depleted

8,476,689 pounds

Normal

438,401 pounds

Enriched

6,773,548 pounds

 Held construction kick-off meeting for T-Hopper Project (involves repackaging of low enriched materials from T-Hopper containers into 55-gallon drums)



Major Work Activities - September 1997

Nuclear Materials Disposition Project (continued)

- Shipped 32 drums of depleted UO3 (orange oxide) to Carolina Metals Inc., in support of Ducrete Technology Deployment Initiative
- Signed contract for sale of 2.6 million pounds of enriched materials --- contract forwarded to EURATOM Supply Agency for final approval
- Issued Request for Proposal for sale of remaining low enriched uranium inventory



90-Day Look Ahead - Work Activities

Low-Level Waste Projects

- Shipping goal of approximately 30,000 cf low-level waste to NTS -- 10/97
- DOE-NV auditors return for Annual Recertification Audit -- 10/13/97



90-Day Look Ahead - Work Activities

Mixed Waste Projects

Liquid Mixed Waste Project ---

Batch #7 (19,000+ gallons of mixed waste) to Toxic Substances Control Act (TSCA) Incinerator -- 10/97

Batch #8 (newly generated/recharacterized low-level waste) to TSCA Incinerator -- 11/97

Batch #9 (newly generated waste streams) to be bulked for shipment -- 12/97

Organic Extraction Project ---

Begin scale-up to treat 250 cubic meters of mixed waste -- 10/97 Complete scale-up -- 12/97



90-Day Look Ahead - Work Activities

Mixed Waste Projects (continued)

- Mixed Waste Shipping -- Prepare 307 drums of sump cake for disposal at Envirocare -- 10/97
- Thorium Legacy Waste Stabilization Project --Begin shipments of thorium low-level waste to NTS, with four shipments anticipated per week -- 11/97 Technology Specific Work Plan due to OEPA -- 12/97



90-Day Look Ahead - Work Activities

Nuclear Materials Disposition Project

- Begin packaging enriched unrestricted materials, in support of contract for 2.6 million pounds, and depleted materials
- Award contract for off-site analytical work in support of contract for 2.6 million pounds enriched unrestricted materials
- Continue negotiations with AlliedSignal to modify their existing contract for normal uranium
- Continue T-Hopper Project construction activities with completion of construction -- 12/97



PROJECT MANAGEMENT

Ohio Plan Review

- Draft Responsiveness Summary sent to key stakeholders and regulators for concurrence -- 10/06/97
- Draft Fernald Plan due to DOE Ohio Field Office -- 10/30/97
- Next revision of Ohio Plan to be issued -- 12/97



PROJECT MANAGEMENT

National Plan Review

- Received stakeholders' and regulators' comments -- 9/09/97
- Forward comments to DOE Headquarters for appropriate resolution within 60 days -- 11/09/97
- Next revision of National Plan to be issued -- 12/97

Evaluation Results from Oct. 14, 1997, Cleanup Progress Briefing Tour

(18 people completed evaluation forms.)

1.	Please check the appropriate response: This is my first tour of the Fernald site. 7
	I have toured the Fernald site before. 11
2.	 What did you like about the tour? What changes would you suggest for future site tours? Went down more road than usual. Maybe do a videotaped tour sometime. It was great all inclusive. Maybe start earlier. Very well organized. Kept on track to complete in daylight hours. Tour guides were very knowledgeable. I enjoyed the explanation of how the activities of the various buildings related to activities in other buildings. We had Dennis (Carr) for a guide, so our tour was understandable for me again! As I've stated, I want to se the liner being joined. The heat treatment way they will do it. Good information provided. Information good and all questions answered okay. Dennis It was well explained, and saw a lot of work being done. Well organized very knowledgeable guides. Good to have project managers input. Narrative was very informative. It covered the subject well. I was in the small bus. He did a good job. Good information from guide Dennis. It did go rather quickly. The thoroughness of the explanation by Dennis Carr. Good site coverage. Might consider a brief site history using air photos prior to starting tour.
3.	Did the tour meet your expectations? Please explain. Yes 17 Comments: Not much now for me. No Very explanatory. Introduction and status of each area was good.
4.	Were questions adequately addressed during the tour? Yes 17 No If no, why? Didn't get details of dryer emission control for waste pit drying.
5.	Please indicate potential topics for the next Cleanup Progress Briefing "Topic of the Month". EMR update 2 OSDF progress 3 (More on the OSDF liner system and operation.) Silos Project 3 OU4 waste retrieval progress and radon treatment progress Silos material and the status of its removal Silos, what now? Thorium Stabilization Project 1 General Cleanup 3 (OU updates; Restoration plans; General progress) Reuse options and opportunities 1 Potential technology transfer opportunities 1 What are the detailed plans or concepts for the gondola car cleaning facilities? 1
6.	Please indicate the preferred date for next Cleanup Progress Briefing (Nov. 11 is a federal holiday): Monday, Nov. 10 Wednesday, Nov. 12 Combine the November and December briefings on Tuesday, Dec. 9 2